



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090458-B

Mode: Highway

Status: Submitted

US-401 (Ramsey Street)

From/Cross Street: Martin Luther King, Jr. Freeway

Specific Improvement Type: 1 - Widen Existing Roadway

To: US 401 Bypass

Project Category: Regional Impact

Length: 2.5

TIP#: U-4403

Fully Funded in Draft STIP? No

Cost to NCDOT: \$14,232,000

Description:

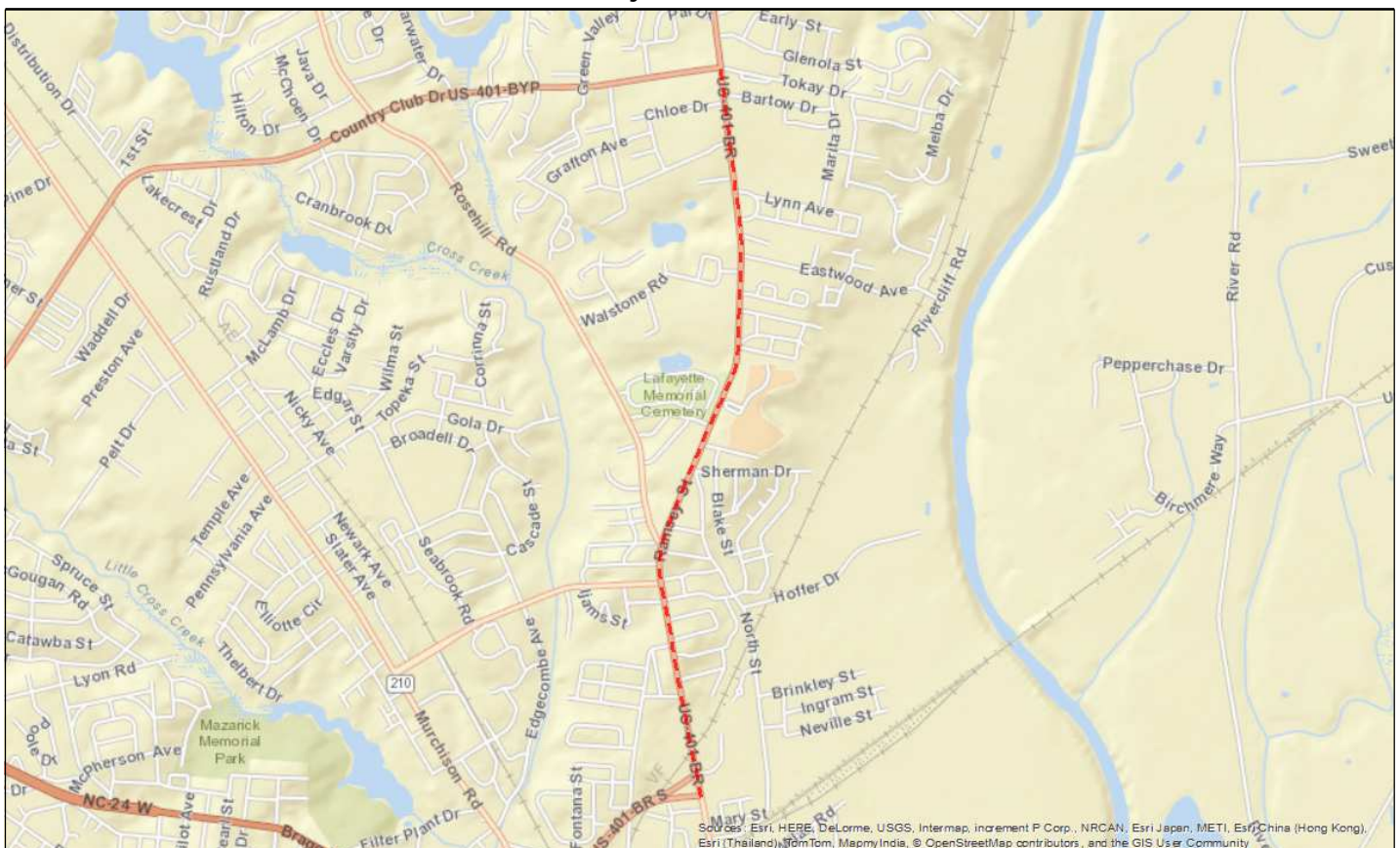
Widen to Multi-Lanes

Division(s): Division 6

County(s): CUMBERLAND

MPOS(s)/RPO(s): Fayetteville Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 63.06

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 75.21	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 84.28		
[Travel Time] Benefit/Cost (25%) 14.56		
Accessibility / Connectivity (10%) 21.87		
Totals: Weight: 70% Weighted Score: 33.06		

Division Needs Total Score: 26.38

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Travel Time] Benefit/Cost (20%) 14.56	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 84.28		
Congestion (V/C) (20%) 75.21		
Totals: Weight: 50% Weighted Score: 26.38		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	32801.63
Capacity:	31700
Volume/Capacity Ratio:	1.03
% Autos:	95%
% Trucks:	5%
Truck Volume:	1485.85
Crash Density:	93.16
Crash Severity:	73.21
Critical Crash Rate:	86.51
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	74
Actual Congested Speed:	35.55
Travel Time Index:	1.27

Project Benefits

Project Cross-Section:	6F - 6 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.5
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	9244062.43
Travel Time Savings for 30 Years (Autos):	8825325.35
Travel Time Savings for 30 Years (Trucks):	418737.08
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 6

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 6	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Fayetteville Area MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$6,170,000	Cost Estimation Tool
Right-of-Way Cost:	\$7,198,000	Cost Estimation Tool
Utilities Cost:	\$864,000	Cost Estimation Tool
Total Project Cost:	\$14,232,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$14,232,000	